

EXHIBIT E

3-YEAR ASBESTOS RE-INSPECTION REPORT

.....

JOHN ADAMS ELEMENTARY SCHOOL SCRANTON, PA

prepared for:

SCRANTON SCHOOL DISTRICT
425 North Washington Avenue
Scranton, Pa. 18505

CONSULTANTS:

Guzek Associates, Inc.
401 Davis Street
Clarks Summit, PA 18411

PROJECT: #SSD.19_751

Updated:

July 2019

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ASBESTOS INSPECTION

For the property known as:

JOHN ADAMS ELEMENTARY SCHOOL

SECTION 1 EXECUTIVE SUMMARY

An Asbestos Materials Inspection Survey was conducted on July 24, 2019 at the above-listed location. The purpose of the survey was to visually locate, identify, and quantify asbestos-containing building materials. The survey was conducted by Certified Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028) and Brent Tripp (DLI Asbestos Inspector Certification #053975).

All accessible rooms and areas of the building were entered for inspection of suspected asbestos materials. Suspected asbestos materials not previously sampled (if applicable) were sampled and sent to a laboratory for analyses to confirm or negate the suspicion of asbestos content. Other suspect materials were assumed to contain asbestos.

The results are summarized as follows:

A. Asbestos-containing Materials

1. All confirmed or assumed (roofing materials, chalkboard mastic, etc.) asbestos-containing materials are listed in Appendix A. Materials that were tested and found not to contain asbestos are also listed in Section 6.
2. Recommendations

Recommendations are given in relation to renovation activities for the school building in Section 7.

SECTION 2 INTRODUCTION

An Asbestos Materials Inspection of the John Adams Elementary School was performed at the request Scranton School District, Scranton, PA. The purpose of the inspection was to determine the types, quantities, and conditions of confirmed or assumed asbestos-containing materials, if not previously tested.

Once suspected asbestos materials were identified, they were sampled to verify or negate the suspicion of asbestos content (roofs were not tested and were assumed to contain asbestos). All materials sampled were analyzed via EPA Method 600/R-93/116 utilizing Polarized Light Microscopy by *EMSL Analytical, Inc., a NVLAP- accredited laboratory*.

The friability of these materials was also determined. Friable materials, such as cementitious pipe insulation, are those that can be crumbled, pulverized, or reduced to powder by hand or finger pressure. Non-friable materials, such as floor tiles in good condition, are those that cannot be crumbled, pulverized, or reduced to powder by hand or finger pressure. It is possible for normally non-friable materials to be considered as friable if they are in poor or damaged condition or will be rendered friable by construction or other activities, such as drilling, sanding, crushing by heavy equipment, etc.

The Initial Asbestos Hazard Emergency Response Act (AHERA) Building Inspection Report and Management Plan which was prepared and filed in accordance with the United States Environmental Protection Agency's (EPA) Regulation 40 CFR Part 763, Subpart E – Asbestos-Containing Materials in Schools is on file and available for review at the Scranton School District Administration Offices and the John Adams Elementary School Administration Office.

SECTION 3 BUILDING DISCRIPTION

John Adams Elementary School, located at 927 Capouse Avenue, Scranton, PA is a steel frame and masonry building constructed in 1931. The building consists of a basement, two (2) floors, and an attic space, and contains approximately 37,615 square feet of floor area.

SECTION 4 METHODS

Prior to re-inspection the following documents were reviewed by Guzek Associates, Inc.

1. Original inspection report
2. 2016 3-Year Re-inspection Report
3. AHERA 6-month Periodic Surveillance Inspection Reports

Upon completion of reviewing the above referenced documentation, Guzek Associates, Inc. conducted a room-by-room and area-by-area inspection of the building to verify the locations of Asbestos Containing Materials listed in the above documents and to determined the conditions (Good, Damaged, or Significantly Damaged) of these materials. In addition, suspect materials not listed in the above documents were identified and either assumed to contain asbestos or collected and analyzed to determined asbestos content.

The asbestos inspection survey was conducted by inspectors qualified by experience, education, and training in the recognition of suspected asbestos-containing materials. Sampling was limited to only areas that were easily accessible (above ceiling tiles, operable hatches, and open areas.) No walls, chases or ceilings, etc. were penetrated during this inspection.

For those materials analyzed for asbestos content during this inspection, representative samples of "suspected" asbestos-containing materials were collected utilizing approved federal and state methods.

All Samples collected were analyzed by EMSL Analytical, Inc., Cinnaminson, NJ. Using EPA 600/R-93/116 Method using Polarized Light Microscopy

SECTION 5 REINSPECTION FINDINGS

The attached inspection forms in Appendix A indicate both the locations and assessed conditions of confirmed or assumed asbestos containing materials as identified in the building by the 2019 Re-inspection conducted by Guzek Associates, Inc.

The Scranton School District intends to continue implementation of the Operations & Maintenance Program recommendations as contained in the original AHERA Management Plan and to maintain its stringent occupational and environmental protection standards for the on-going control of the identified ACBM's within the building.

SECTION 6 INSPECTION RESULTS

A. Asbestos-containing Materials

Appendix A contains a list and drawings of all confirmed and assumed asbestos-containing materials identified in the 3-year re-inspection report for John Adams Elementary School conducted by Guzek Associates, Inc.. This table also includes locations and condition assessments (Good, Damaged, or Significantly Damaged).

Finally all Chain of Custody and Analytical Laboratory Reports for the 2016 3-Year Re-inspection Report are including in Appendix B.

Note: In addition to those materials listed in the Homogeneous Sampling Chart in Appendix A, the following suspected asbestos-containing materials may be present:

1. Pipe and/or pipe fitting insulation (friable materials) in wall cavities in the vicinities of bathroom and shower fixtures, sinks, and drinking water fountains – no access at time of inspection.
2. Glue pucks behind chalkboards (Category 1 non-friable material) – no access at time of inspection.
3. Fire Doors
4. Roofing Materials (including Flashing and Tar)
5. Electrical wiring insulation may be present

Materials That Were Tested and Found Not to Contain Asbestos

- All layers of hard wall and ceiling plasters
(This does NOT include acoustical plaster ceiling in Gym)
- All ceiling tile (Previously tested by others)
- Boiler Room Ceiling
- Wall Burlap (Previously tested by others)
- Mastic over fiberglass ends
- Fan Room (Black coating on fan box)
- Loose debris in Air Exchanger Box
- Gypsteel
- Linoleum in Room K-1 Kindergarten
- Popcorn Texture Paint (Pre-K Classroom)
- Window Frame Caulking
- Window Glazing
- Door Frame Caulk (White only – Tan Caulk is Confirmed Asbestos)

SECTION 7 RECOMMENDATIONS

- A. Any Materials listed as Presumed Asbestos Containing Materials (PACM) in Appendix A shall either be assumed to contain asbestos or should be analyzed to determine asbestos content at time of disturbance
- B. All Asbestos Containing Materials in the building that are to remain in place shall be treated according to Operation and Maintenance (O&M) procedures for each specific material and as listed in the O&M plan for the John Adams Elementary School.
- C. All Presumed or Confirmed Asbestos Containing Materials that will be potentially damaged by any activity (renovation, demolition, maintenance, etc.) shall be:
 - 1. Removed by a Pennsylvania Department of Labor and Industry (PaDLI) Certified asbestos abatement contractor prior to renovation. Final clearance air monitoring should be performed by an independent third party contracted to the school district.

Or

- 2. The Activity that will potentially disturb Asbestos Containing Materials shall be designed to avoid said disturbance.

SECTION 8 ASBESTOS INSPECTOR ACCREDITATION

Certified PA Asbestos Inspectors, Chris Notari (DLI Asbestos Inspector Certification #027028) and Brent Tripp (DLI Asbestos Inspector Certification #053975). Copies of their certificates are included in this report on the following pages.

Certificate of Completion

awarded to

Chris Notari

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II

presented by

ACCESS TRAINING SERVICES, INC.

7921 River Road, Pennsauken, NJ 08110

(856) 665-3449

7/11/19

Course Date

N/A

Exam Date

7/11/20

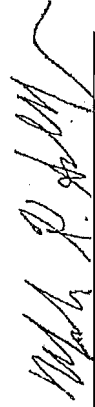
Expiration Date

Not Provided

Social Security Number

ACC-0719-6-005

Certificate Number



Mark K. Schlager
Training Director

Certificate of Completion

awarded to

Brent M. Tripp

for successfully completing the prescribed course of study in

Pennsylvania Asbestos Building Inspector Refresher Course

under TSCA Title II

presented by

ACCESS TRAINING SERVICES, INC.

7921 River Road, Pennsauken, NJ 08110

(856) 665-3449

7/11/19

Course Date

N/A

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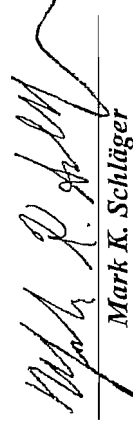
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Social Security Number

ACC-0719-6-006

Certificate Number



Mark K. Schlüger
Training Director

APPENDIX A

REINSPECTION FINDINGS:

HOMOGENEOUS SAMPLING CHART

RESPONSE ACTION BASED ON HAZARD RANK

ASBESTOS CONTAINING BUILDING MATERIAL (ACBM) LOCATION DRAWINGS

Guzek Associates, Inc. - HOMOGENEOUS SAMPLING CHART

Scranton School District Building: John Adams Elementary School Dates of Original AHERA Inspection: July, 1988 Page 1 of 3

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Storage Room "A"	Fittings and Pipe Insulation (Approx. 25 - 30 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Storage Room "B"	Fittings and Pipe Insulation (Approx. 60 - 80 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	- Three (3) damaged fittings above fire cabinets at back wall
Basement, Custodian Area (Boiler Room)	Fittings and Pipe Insulation (Approx. 50 - 60 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	- Remove Approx. 25 - 30 LF of damaged pipe insulation at and in pit area. - 3 - 4 fitting are significantly damaged in pit area. Loose debris in pit area and in trench
	Boiler Gaskets	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
	Storage Tank Insulation	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Storage Room "C"	Fittings and Pipe Insulation (Approx. 10 - 15 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Storage Room "D"	Fittings and Pipe Insulation (Approx. 10 - 15 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Cafeteria	12"x12" Floor Tile & Mastic (Approx. 1,525 SQ FT) (Assumed)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Cafeteria and Office	Fittings and Pipe Insulation (Approx. 95 - 100 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Remove Approx. 4 LF of damaged pipe insulation at column in Cafeteria
Basement, Art/Music and Teachers Lounge	Fittings and Pipe Insulation (Approx. 10 - 15 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Stairwell #3 and Hallway	Fittings and Pipe Insulation (Approx. 20 - 30 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
Basement, Computer and Storage Room	Fittings and Pipe Insulation (Approx. 50 - 60 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	

Information abstracted by: C. Notari and B. Tripp on July 24, 2019

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable
AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

Building Inspector's Certification No.: 027028-PA and 053975-PA

Assessment: G = Good, D = Damaged, SD = Significantly Damaged

Guzek Associates, Inc. - HOMOGENEOUS SAMPLING CHART

Scranton School District Building: John Adams Elementary School Dates of Original AHERA Inspection: July, 1988 Page 2 of 3

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION							
Basement, Library and Library Storage Room	Fittings and Pipe Insulation (Approx. 130 - 140 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- One (1) damaged fitting in Library - One (1) damaged fitting in Storage Room
1st Floor, Room 108	Linoleum Flooring & Mastic (Approx. 60 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Minor cracking around edge - Mastic assumed to be ACBM
1st Floor, Girls Room	Fittings and Pipe Insulation (Approx. 15 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Girl's Room Chase	Fittings and Pipe Insulation (Approx. 50 - 60 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	6	2	- Many fittings are destroyed and loose debris on floor
1st Floor, Gymnasium	Acoustical Ceiling (Approx. 2,000 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	- Dents in ceiling
1st Floor, Boy's Room and Chase	Fittings and Pipe Insulation (Approx. 10 - 15 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	5	3	- Ripped jacket covers and some loose debris
1st Floor, Pre-K Classroom	12"x12" Floor Tile & Mastic (Approx. 696 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, K-2 Classroom	12"x12" Floor Tile & Mastic (Approx. 697 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, Medical Room	12"x12" Floor Tile & Mastic (Approx. 240 SQ FT)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
1st Floor, K-1 Classroom	Fittings and Pipe Insulation (Approx. 5 - 8 LF)	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	
2nd Floor, Room 209	Sink Coating on Exterior Base of Sink	TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	

Information abstracted by: C. Notari and B. Tripp on July 24, 2019

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable

AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

Building Inspector's Certification No.: 027028-PA and 053975-PA

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Guzek Associates, Inc. - HOMOGENEOUS SAMPLING CHART

Scranton School District Building: John Adams Elementary School Dates of Original AHERA Inspection: July, 1988 Page 3 of 3

HOMOGENEOUS SAMPLING MATERIAL		MATERIAL DESCRIPTION	MATERIAL CATEGORY	ASBESTOS CONTENT	FRIABILITY	AHERA ASSESSMENT	AHERA HAZARD	AHERA REMOVAL PRIORITY	NOTES
MATERIAL LOCATION	MATERIAL DESCRIPTION								
Exterior of Building	Door Frame Caulking (Tan Color Only)		TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
Attic	Fittings and Pipe Insulation (Approx. 150 - 200 LF)		TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	2	6	- Blown in insulation was added in late 2017, unknown if any debris or damaged items exist under blown in insulation
Throughout Building	Vapor Barriers		TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
	Boiler Gaskets		TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
	Ductwork Flex Connections		TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	
	Chalkboard Mastic		TSI SURFACE Misc.	Assumed or Analyzed	F NF-1 NF-2	G D SD	1	7	

Information abstracted by: C. Notari and B. Tripp on July 24, 2019

Friability: F = Friable, NF-1 = Non-Friable, NF-2 = Non-Friable

AHERA Assessment / Hazard Rank / Removal Priority = See Attached Document, "RESPONSE ACTIONS BASED ON HAZARD RANKING"

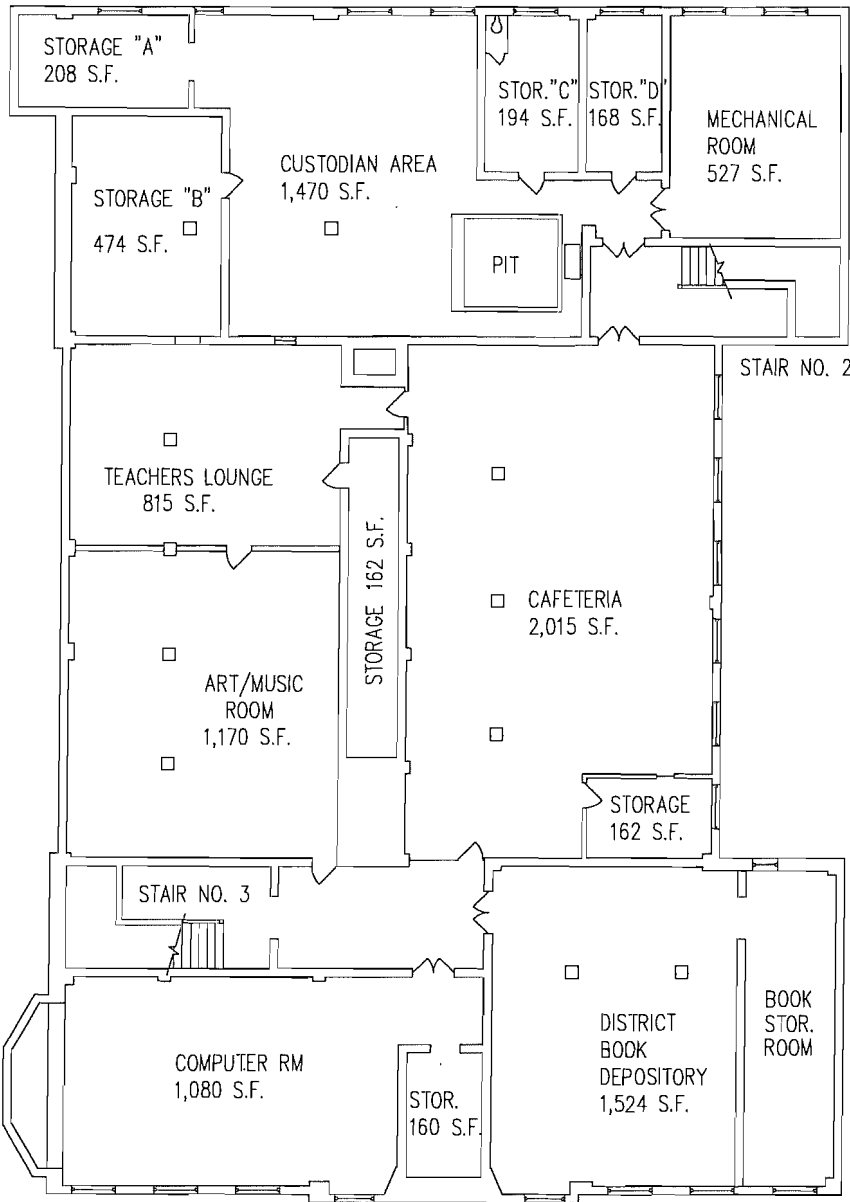
Building Inspector's Certification No.: 027028-PA and 053975-PA

Assessment: G = Good, D = Damaged, SD = Significantly Damaged

RESPONSE ACTIONS BASED ON HAZARD RANK

HAZARD RANK	REMOVAL PRIORITY	AHERA CATEGORIES	RESPONSE ACTIONS REQUIRED BY AHERA
7	1	Significantly Damaged	Evacuate or restrict the area if needed. Remove the ACBM (or enclose or encapsulate it if sufficient to contain fibers). Repair of T.S.I. allowed if feasible and safe. O&M required for all ACBM.
6	2	Damaged with Potential for Significant Damaged	Evacuate or restrict the area if needed. Remove, enclose, encapsulate, or repair to correct damage. Take steps to reduce potential for disturbance. O&M required for all ACBM.
5	3	Damaged with Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
4	4	Damaged with Low Potential for Damage	Remove, enclose, encapsulate, or repair to correct damage. O&M required for all ACBM.
3	5	Good with Potential for Significant Damage	Evacuate or restrict the area if needed. Take steps to reduce potential for disturbance. O&M required for all ACBM.
2	6	Good with Potential For Damage	O&M required for all ACBM. Take steps to reduce potential for damage.
1	7	Good with Low Potential for Disturbance	O&M required for all ACBM

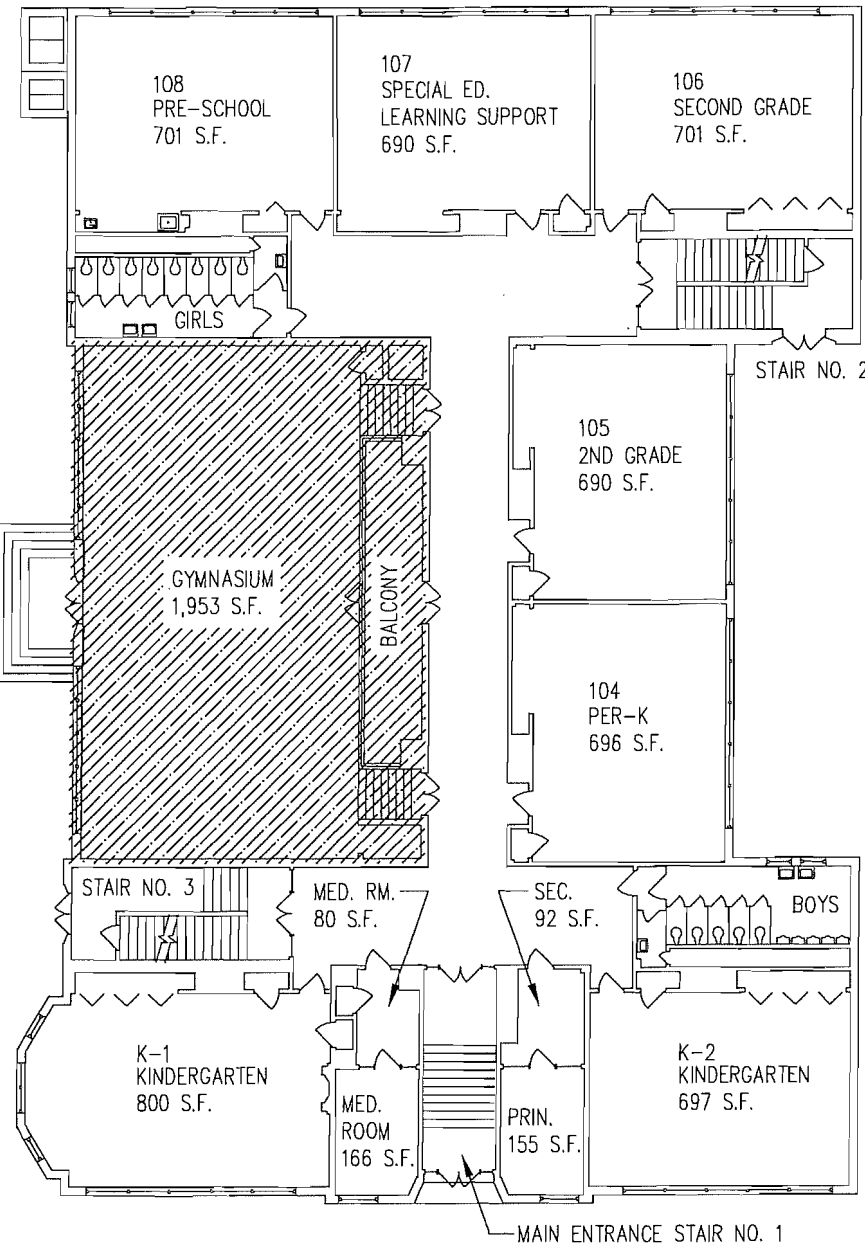
SURFACING ASBESTOS CONTAINING MATERIALS



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
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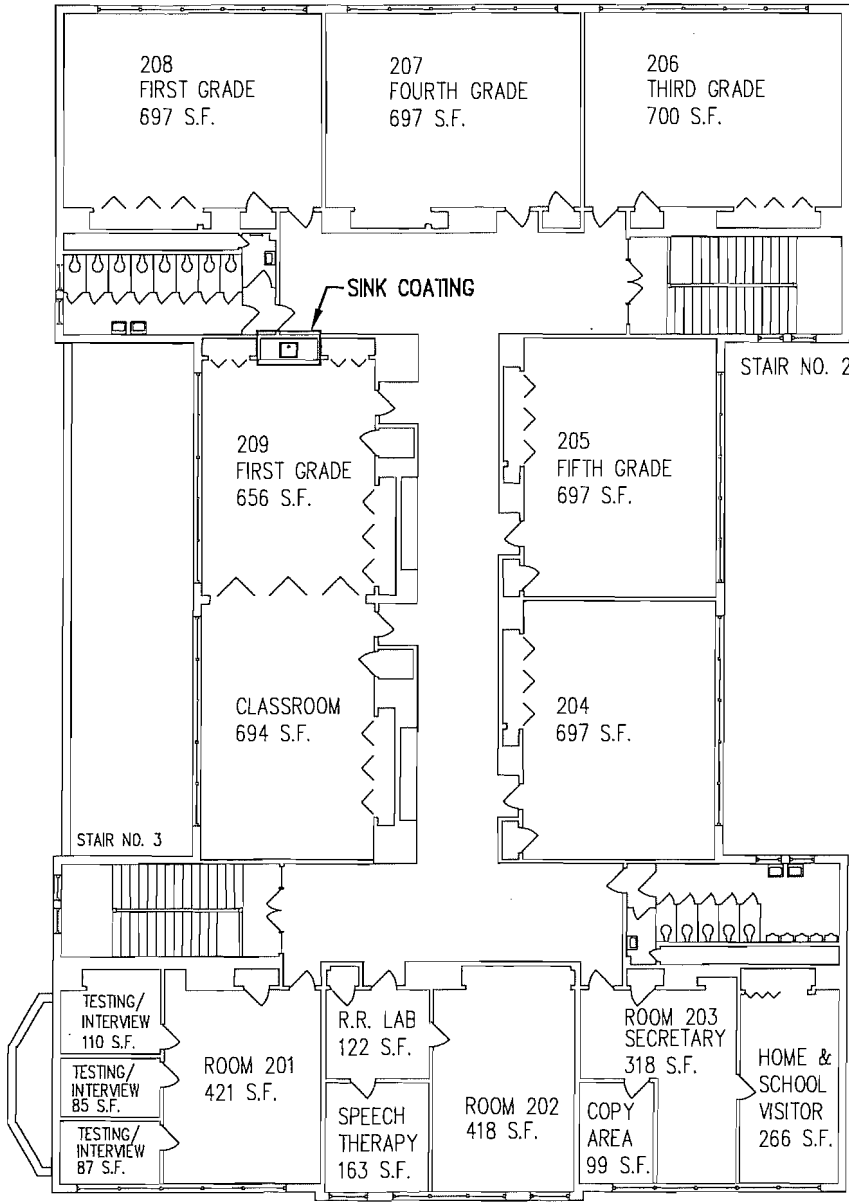
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CONTAINING SURFACING MATERIAL WAS
NOT FOUND ON THIS LEVEL



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KEY - SURFACING ACM

 ACOUSTICAL CEILING



2ND FLOOR PLAN
NOT TO SCALE

KEY - SURFACING ACM

ASSUMED ASBESTOS CONTAINING
SURFACING MATERIAL:
- EXTERIOR OF EXISTING SINK
IN ROOM 209

Guzek Associates, Inc.
Mechanical, Electrical, Structural,
Environmental, and Architectural
Engineering
Phone: (310) 586-9700
Fax: (310) 586-9728
E-Mail: guz@guzek.com
401 Ocean Street
Clark Summit, NJ 08411
CHECKED BY: CN
JOB No.: SSD 19-751
SCALE: AS NOTED
DATE: 07/24/2019
DRAWN BY: BMT
DWG. TITLE: JOHN ADAMS ELEMENTARY SCHOOL RE-INSPECTION FLOOR PLANS

ISSUED or REVISED	DATE

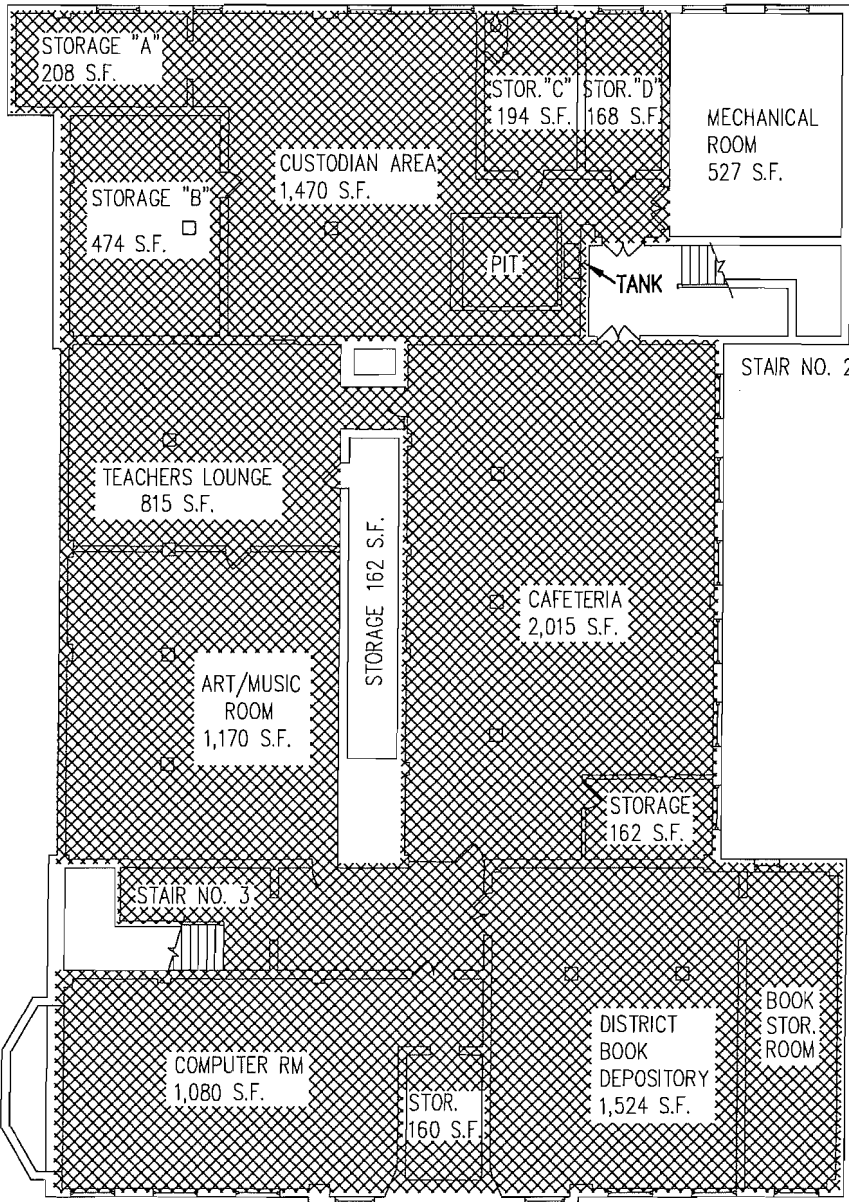
Scranton School District
Scranton School District
425 North Washington Avenue
Scranton, PA 18505

Asbestos Management Plans

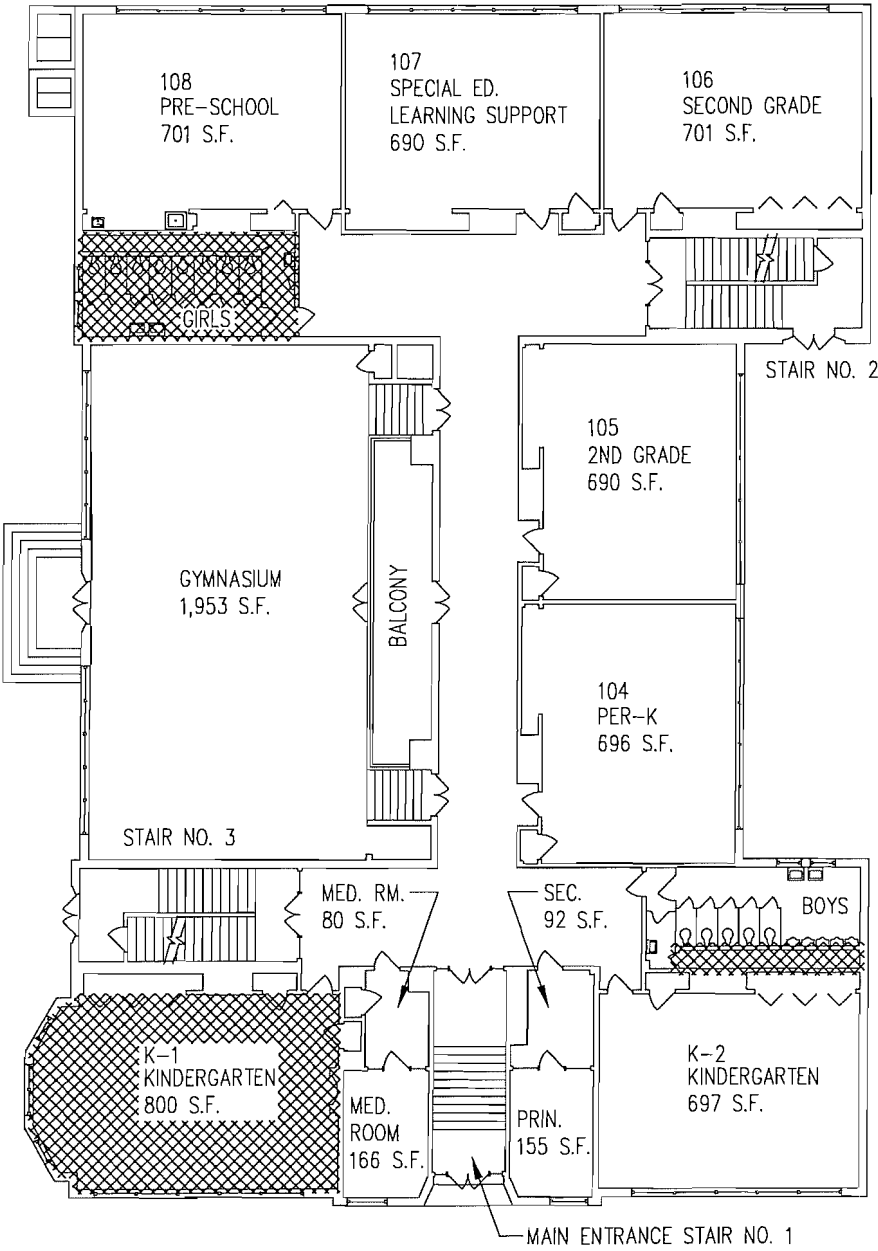
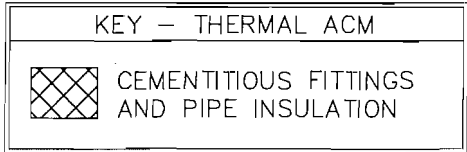
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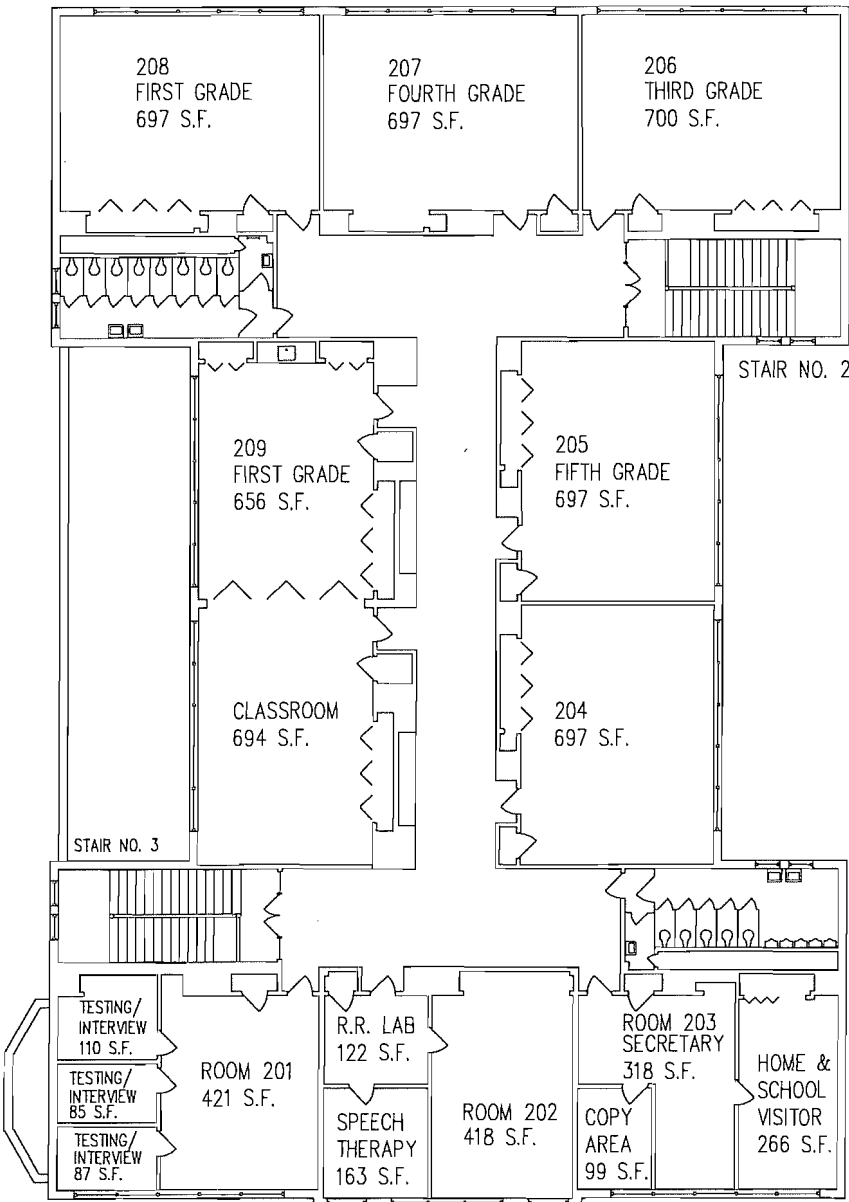
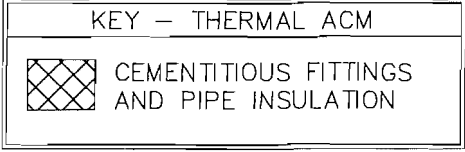
THERMAL ASBESTOS CONTAINING MATERIALS



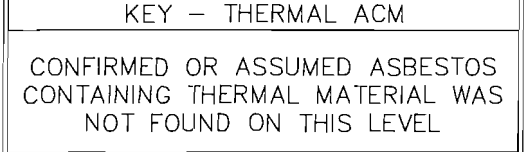
BASEMENT PLAN
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1ST FLOOR PLAN
NOT TO SCALE



2ND FLOOR PLAN
NOT TO SCALE



Sheet Size: 36"x24"

Guzek Associates, Inc.
Mechanical, Electrical, Structural, Environmental, and Architectural Engineering
401 Davis Street
Clarks Summit, PA 18411
Phone: (570) 586-9700
Fax: (570) 586-6728
E-Mail: guzek@guzek.com

DRAWN BY: BMT
CHECKED BY: CN
JOB No.: SSD 19-751
SCALE: AS NOTED
DATE: 07/24/2019

DWG. TITLE: JOHN ADAMS ELEMENTARY SCHOOL RE-INSPECTION FLOOR PLANS

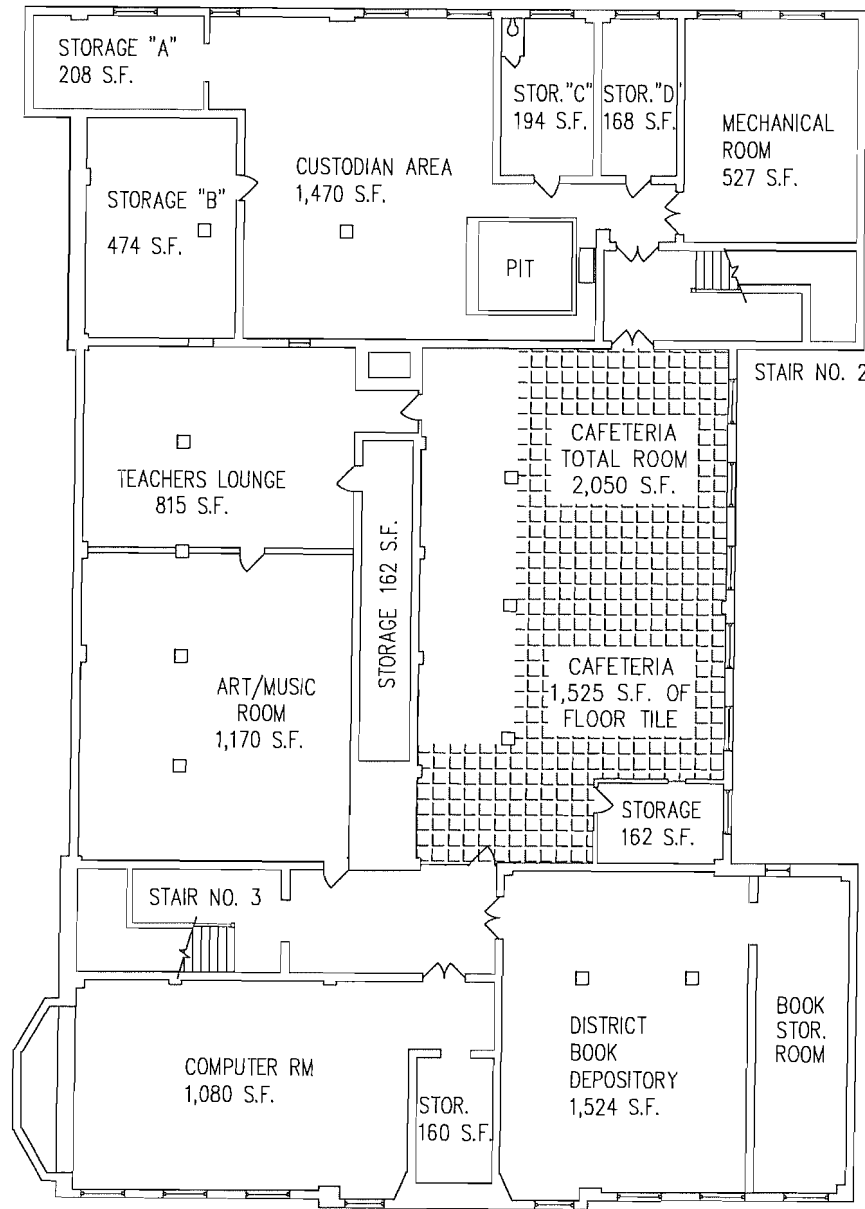
ISSUED or REVISED	DATE

Scranton School District
Scranton School District
425 North Washington Avenue
Scranton, PA 18505

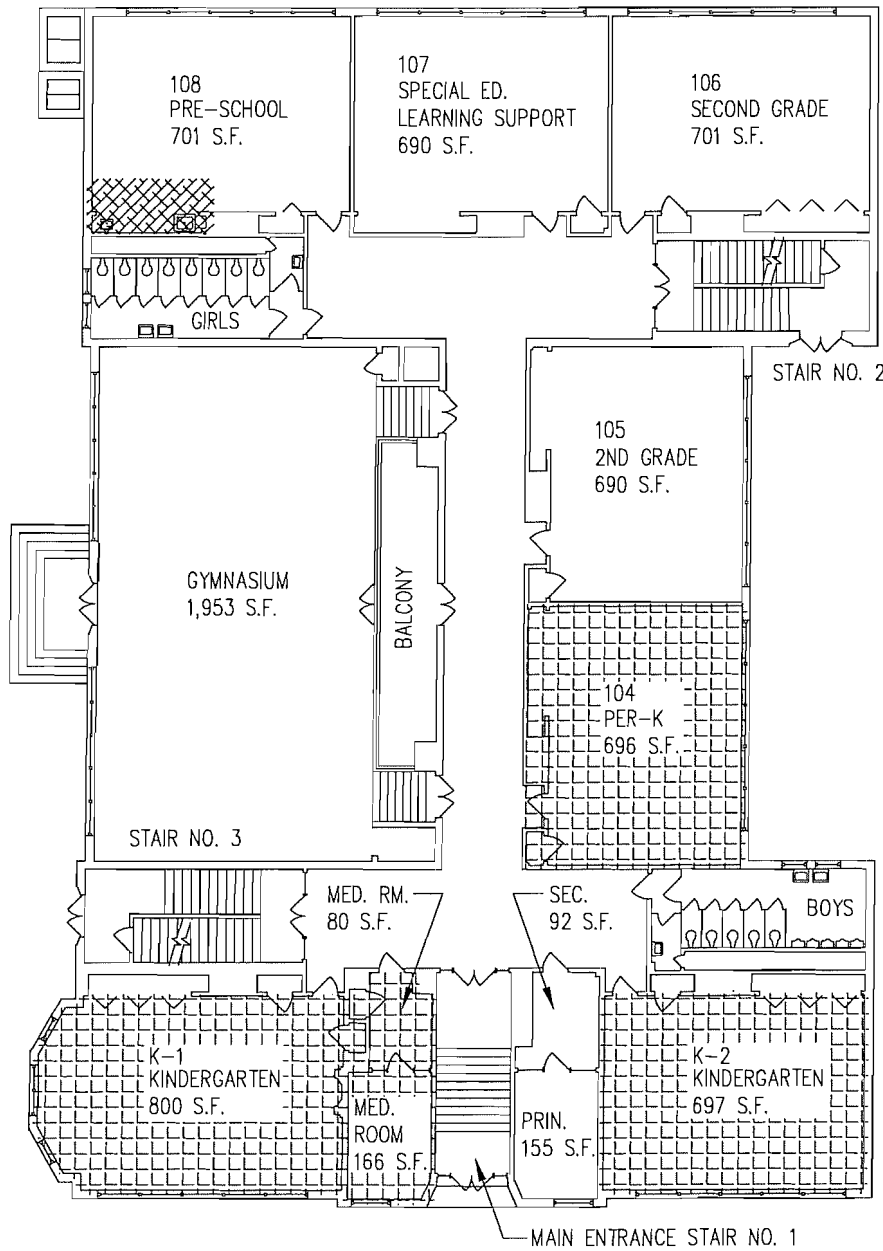
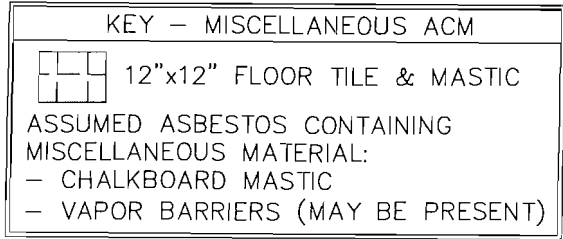
Asbestos Management Plans

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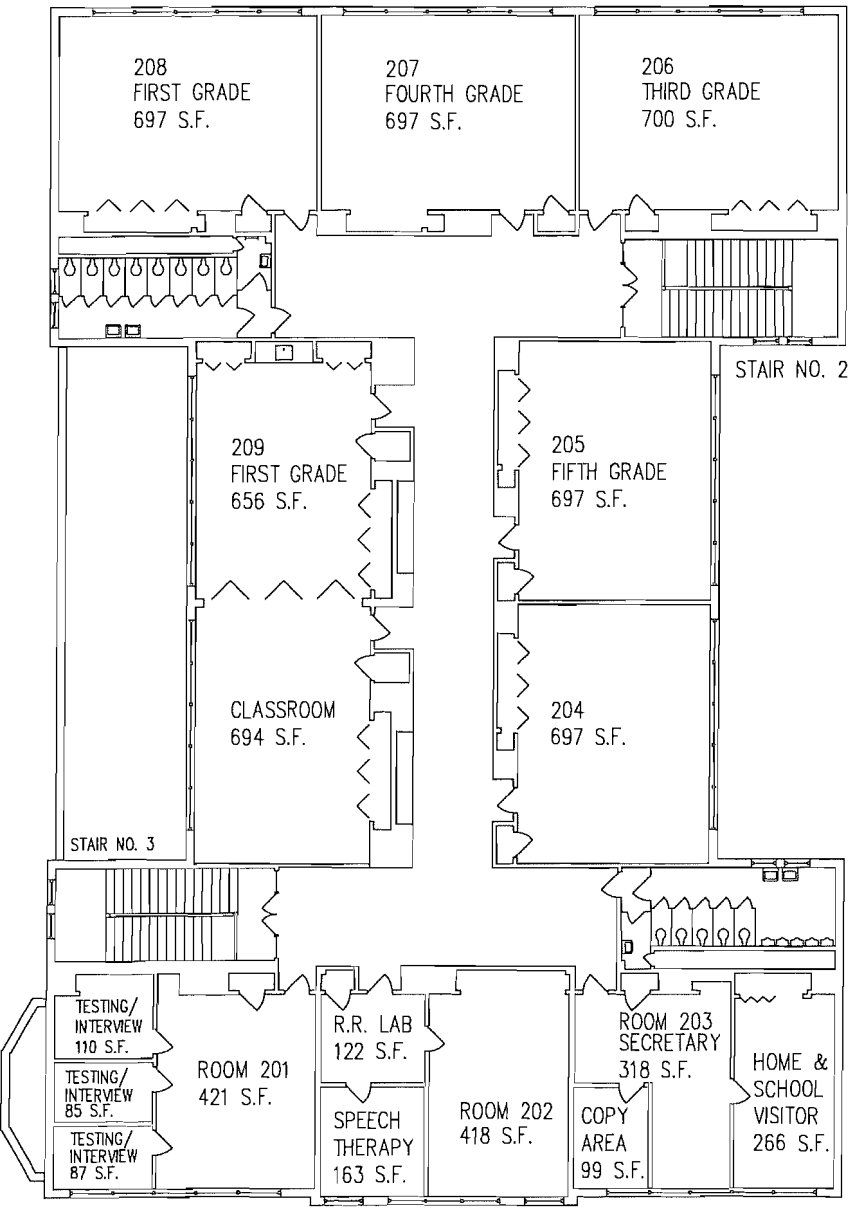
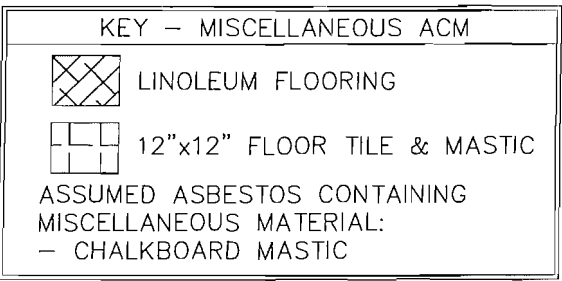
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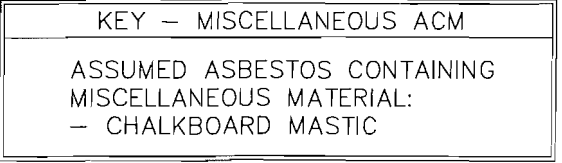
BASEMENT PLAN
NOT TO SCALE



1ST FLOOR PLAN
NOT TO SCALE



2ND FLOOR PLAN
NOT TO SCALE



Guzek Associates, Inc.
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Phone: (717) 586-9700
Fax: (717) 586-6728
E-Mail: guzekassoc@aol.com

DATE: 07/24/2019
AS NOTED
SCALE: SSD 1/8"=1'-0"
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CHECKED BY: BMT
DRAWN BY: BMT

DWG. TITLE: JOHN ADAMS ELEMENTARY SCHOOL RE-INSPECTION FLOOR PLANS

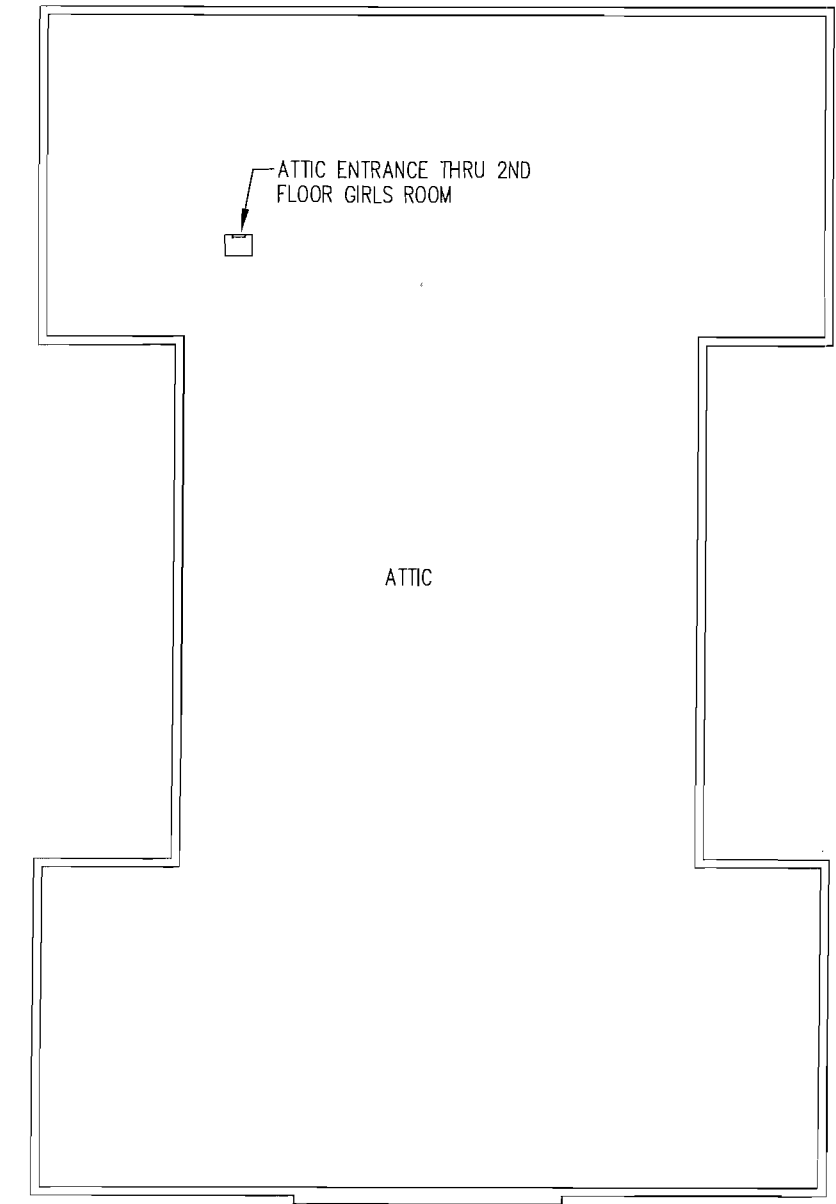
ISSUED or REVISED	DATE

Scranton School District
Scranton School District
425 North Washington Avenue
Scranton, PA 18505

Asbestos Management Plans

DRAWING No.:
A3

SURFACING ASBESTOS CONTAINING MATERIALS

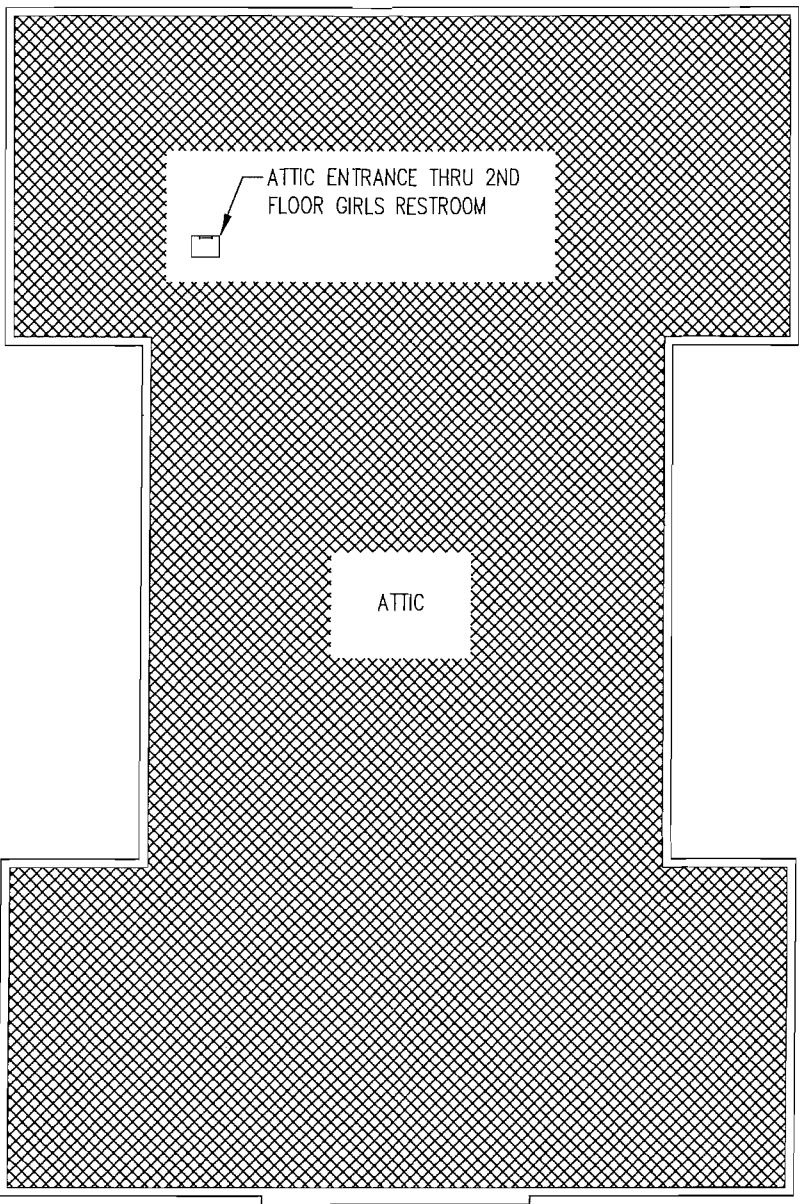


ATTIC FLOOR PLAN
NOT TO SCALE

KEY — SURFACING ACM


CONFIRMED OR ASSUMED ASBESTOS
CONTAINING SURFACING MATERIAL WAS
NOT FOUND ON THIS LEVEL

THERMAL ASBESTOS CONTAINING MATERIALS

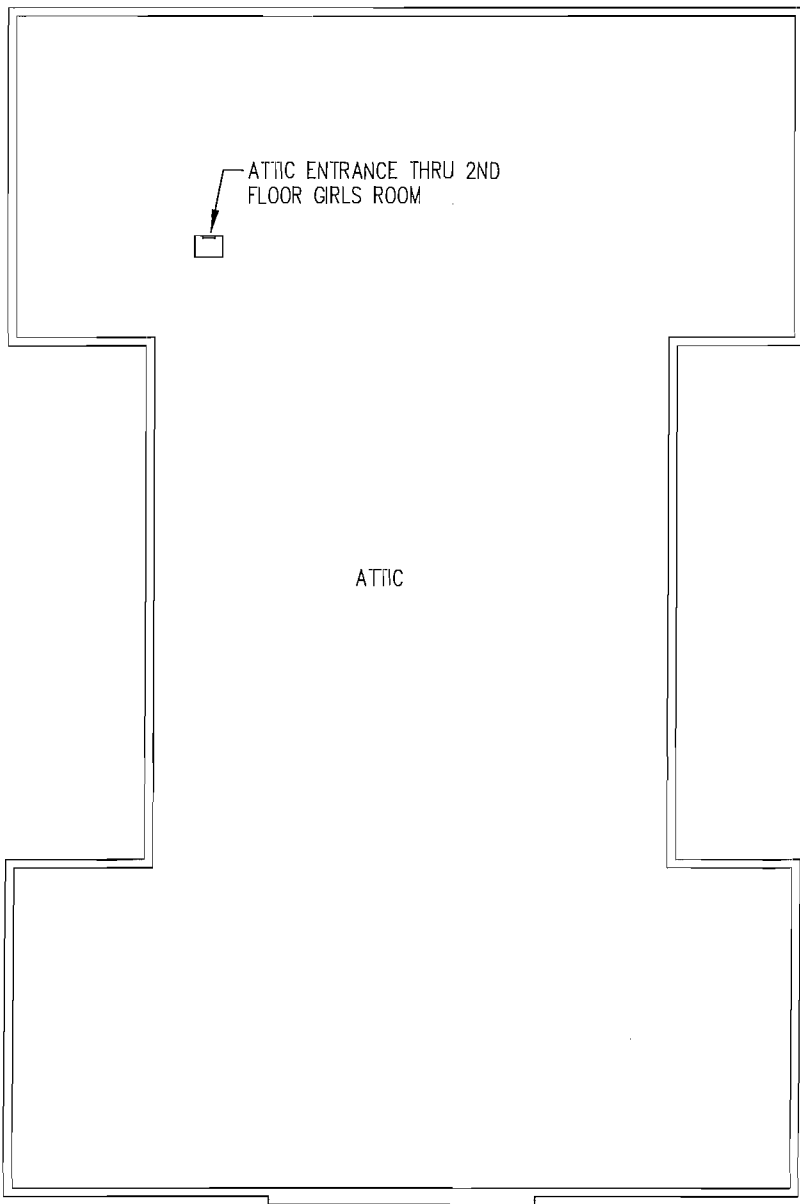


ATTIC FLOOR PLAN
NOT TO SCALE

KEY — THERMAL ACM

 CEMENTITIOUS FITTINGS
AND PIPE INSULATION

MISCELLANEOUS ASBESTOS CONTAINING MATERIALS




ATTIC FLOOR PLAN
NOT TO SCALE

KEY — MISCELLANEOUS ACM

CONFIRMED OR ASSUMED ASBESTOS
CONTAINING MISCELLANEOUS MATERIAL
WAS NOT FOUND ON THIS LEVEL

Sheet Size: 36"x24"



Guzek Associates
Mechanical, Electrical, Structural,
Environmental, and Architectural
Engineering
401 Davis Street
Clark Summit, PA 18411
Phone: (717) 386-9700
Fax: (717) 386-6728
E-Mail: guzekassoc@aol.com

DRAWN BY: BMT	CHECKED BY: CN	JOB No.: SSD 19_751	SCALE: AS NOTED	DATE: 07/24/2019
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DWG. TITLE: JOHN ADAMS ELEMENTARY SCHOOL RE-INSPECTION — ATTIC FLOOR PLANS

ISSUED or REVISED	DATE

Scranton School District
Scranton School District
425 North Washington Avenue
Scranton, PA 18505

Asbestos Management Plans

DRAWING No.: **A**
4

APPENDIX B

TEST RESULTS FOR SUSPECTED ASBESTOS-CONTAINING MATERIALS:

2016 LABORATORY REPORT

2016 CHAIN OF CUSTODY

**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

http://www.EMSL.com / cinnaslab@EMSL.com

EMSL Order: 041621913

Customer ID: CLAG50

Customer PO:

Project ID:

Attention: Chris Notari
 Guzek Associates, Inc.
 401 Davis Street
 Clarks Summit, PA 18411

Phone: (570) 586-9700
 Fax: (570) 586-6728
 Received Date: 08/08/2016 9:10 AM
 Analysis Date: 08/11/2016
 Collected Date: 08/04/2016

Project: SSD 16_751 John Adams Elementary

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized
 Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
01 041621913-0001	Basement - Boiler 1 - Mastic on Fiberglass Ends	White Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (Other)	None Detected
02 041621913-0002	Basement - Boiler 2 - Mastic on Fiberglass Ends	White Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (Other)	None Detected
03 041621913-0003	Basement Boiler Room - Fiberglass Ends - Boiler Piping	White Non-Fibrous Homogeneous	5% Wollastonite	95% Non-fibrous (Other)	None Detected
04 041621913-0004	Basement - Storage Room "B" - Cementitious Ceiling	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
05 041621913-0005	Basement - Fan Room - Black Paper Cover on Fan	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06 041621913-0006	Basement - Fan Room - Debris on Floor of Fan Air Exchanger	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
<i>Sample appears to be insulation.</i>					
07W 041621913-0007	1st Floor - Room 106 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08B 041621913-0008	1st Floor - Room 106 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09 041621913-0009	1st Floor - Room 108 - Linoleum Flooring	Tan Fibrous Homogeneous	10% Cellulose	65% Non-fibrous (Other)	25% Chrysotile
10 041621913-0010	1st Floor - Girls Room - Gypsteel Block	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
11 041621913-0011	1st Floor - Room K-1 / Kindergarten - Brown Linoleum - under 12x12 Tile and Wood Subfloor	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12W 041621913-0012	1st Floor - Medical Room - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13B 041621913-0013	1st Floor - Medical Room - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14 041621913-0014	1st Floor - Room K-2 / Kindergarten - Wall Paper	Brown Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
15W 041621913-0015	1st Floor - Room K-2 / Kindergarten - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 08/11/2016 13:13:24



200 Route 130 North Cinnaminson, NJ 08077
 Tel/Fax: (800) 220-3675 / (856) 786-5974
 http://www.EMSL.com / cinnaslab@EMSL.com

EMSL Order: 041621913

Customer ID: CLAG50

Customer PO:

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16B 041621913-0016	1st Floor - Room K-2 / Kindergarten - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17 041621913-0017	1st Floor - Room Pre-K / Pre-Kindergarten - Acoustical Ceiling - Popcorn	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18 041621913-0018	1st Floor - Room Pre-K / Pre-Kindergarten - Acoustical Ceiling - Popcorn	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19 041621913-0019	1st Floor - Room Pre-K / Pre-Kindergarten - Acoustical Ceiling - Popcorn	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20W 041621913-0020	1st Floor Hallway - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21B 041621913-0021	1st Floor Hallway - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22 041621913-0022	Basement - Art / Music Room - Gypsteel Ceiling Block	Gray Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
23W 041621913-0023	2nd Floor - Room 201 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23B 041621913-0024	2nd Floor - Room 201 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25W 041621913-0025	2nd Floor - Boys Room - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26B 041621913-0026	2nd Floor - Boys Room - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27 041621913-0027	2nd Floor - Room 206 - Window Frame Caulking	Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
28W 041621913-0028	2nd Floor - Room 208 - Plaster White Layer	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29B 041621913-0029	2nd Floor - Room 208 - Plaster Base Layer	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30 041621913-0030	2nd Floor - Room 209 - Window Frame Caulking	Brown Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
31 041621913-0031	Exterior of Building - Front Door / Capouse Ave - Door Frame Caulking	Tan Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Initial report from: 08/11/2016 13:13:24



Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
32	Exterior of Building - Mortar Between Concrete Blocks	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
041621913-0032					
33	Exterior of Building - Spellman Court - Window Glazing	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
041621913-0033					
34	Exterior of Building - Gym Door out to Parking Lot - Door Frame Caulking	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
041621913-0034					

Analyst(s)

Keishla Vazquez Caraballo (32)
Seri Smith (2)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036, PA ID# 68-00367

Initial report from: 08/11/2016 13:13:24



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS & TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041621913

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: Guzek Associates, Inc.		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 401 Davis Street		Third Party Billing requires written authorization from third party	
City: Clarks Summit	State/Province: PA	Zip/Postal Code: 18414	Country: U.S.A.
Report To (Name): Chris Notari		Telephone #: 570-586-9700	
Email Address: guzekassoc@aol.com		Fax #: 570-586-6728	Purchase Order:
Project Name/Number: SSD 16_751 John Adams Elementary		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: Pennsylvania		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input checked="" type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1	
<input type="checkbox"/> PLM EPA NOB (<1%)		<input type="checkbox"/> NY ELAP Method 198.4 (TEM)	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	
<input type="checkbox"/> NIOSH 9002 (<1%)		<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)		<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)		Other	
<input type="checkbox"/> OSHA ID-191 Modified		<input type="checkbox"/>	
<input type="checkbox"/> Standard Addition Method			
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled: 08-04-2016	
Samplers Name: Chris Notari / Brent Tripp		Samplers Signature: <i>Brent Tripp</i>	
Sample #	HA #	Sample Location	Material Description
01		Basement - Boiler 1	Mastic on Fiberglass Ends
02		Basement - Boiler 2	Mastic on Fiberglass Ends
03		Basement Boiler Room	Fiberglass Ends (Boiler Piping)
04		Basement - Storage Room "B"	Cementitious Ceiling
05		Basement - Fan Room	Black Paper Cover on Fan
06		Basement - Fan Room	Debris on Floor of Fan Air Exchanger
07 W		1st Floor - Room 106	Plaster White Layer
08 B		1st Floor - Room 106	Plaster Base Layer
09		1st Floor - Room 108	Linoleum Flooring
10		1st Floor - Girls Room	Gypsteel Block
Client Sample # (s):		Total # of Samples: Thirty-Four (34)	
Relinquished (Client): <i>Brent Tripp</i>		Date: 08-04-2016	Time: 3:00 PM
Received (Lab): <i>ED EMSL</i>		Date: 8-8-2016	Time: 9:10 AM
Comments/Special Instructions:			



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

041621913

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

PHONE: (800) 220-3675

FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA #	Sample Location	Material Description
11		1st Floor - Room K-1 (Kindergarten)	Brown Linoleum, under 12x12 tile and wood subfloor
12 W		1st Floor - Medical Room	Plaster White Layer
13 B		1st Floor - Medical Room	Plaster Base Layer
14		1st Floor - Room K-2 (Kindergarten)	Wall Paper
15 W		1st Floor - Room K-2 (Kindergarten)	Plaster White Layer
16 B		1st Floor - Room K-2 (Kindergarten)	Plaster Base Layer
17		1st Floor - Room Pre-K (Pre - Kindergarten)	Acoustical Ceiling (Popcorn)
18		1st Floor - Room Pre-K (Pre - Kindergarten)	Acoustical Ceiling (Popcorn)
19		1st Floor - Room Pre-K (Pre - Kindergarten)	Acoustical Ceiling (Popcorn)
20 W		1st Floor Hallway	Plaster White Layer
21 B		1st Floor Hallway	Plaster Base Layer
22		Basement - Art/Music Room	Gypsteel Ceiling Block
23 W		2nd Floor - Room 201	Plaster White Layer
24 B		2nd Floor - Room 201	Plaster Base Layer
25 W		2nd Floor - Boys Room	Plaster White Layer
26 B		2nd Floor - Boys Room	Plaster Base Layer
27		2nd Floor - Room 206	Window Frame Caulking
28 W		2nd Floor - Room 208	Plaster White Layer
29 B		2nd Floor - Room 208	Plaster Base Layer
30		2nd Floor - Room 209	Window Frame Caulking
31		Exterior of Building - Front Door (Capouse Ave)	Door Frame Caulking
32		Exterior of Building	Mortar Between Concrete Blocks
33		Exterior of Building - (Spellman Court)	Window Glazing
34		Exterior of Building - Gym Door out to Parking Lot	Door Frame Caulking
*Comments/Special Instructions:			

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 16 AUG - 8 AM 9:55